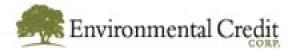
Introduction to Carbon Credits

Sarah Ploss
Executive Vice President

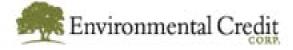
www.envcc.com



Environmental Credit Corp.

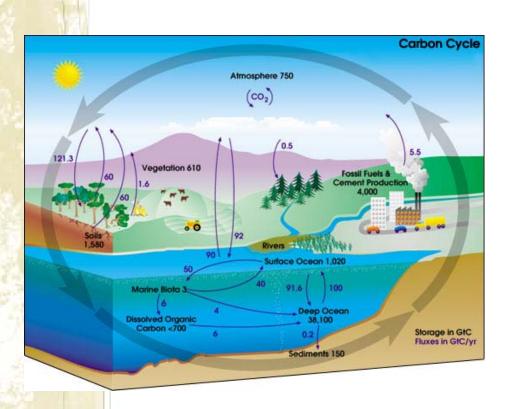
ECC creates environmental assets from greenhouse gas reduction projects

- Market leader for reliable, indisputable credits generated within diverse market sectors
- Operates a success-based delivery model with our project partners

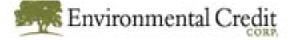


Introduction to Carbon Credits

Carbon credits must be real, quantifiable, verified reductions in GHG emissions



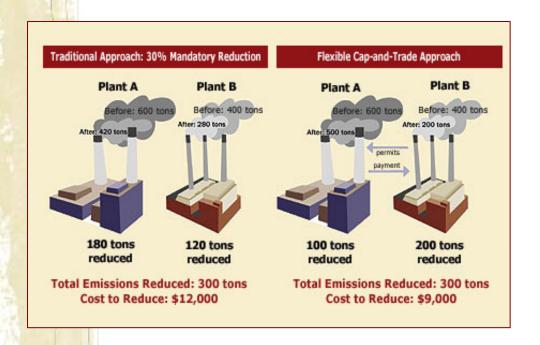
- 6 gases are eligible for carbon credits
- Gases have different values depending on their global warming potential
 - Methane 21 23 times more potent than CO₂
- All GHG expressed as metric tons of CO₂ equivalents.
- One ton of CO₂ equivalent = one carbon credit

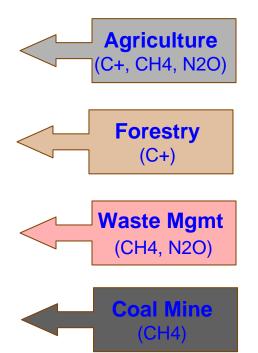


Carbon "Allowances" vs. "Offsets"

Unregulated ("Voluntary") Sectors

Regulated ("Capped") Sector







"Additionality"

- Common practice
 - Activities in common practice are not generally additional
 - Wastewater methane capture
 - Yard waste composting
- Financial additionality
 - Activities with highly favorable economics may not be additional
- Legal additionality
 - Activities that are mandated or required by law are not additional
 - Landfill methane capture (NSPS)



How to go from carbon to credits

Greenhouse Gas Emission Reductions

Created by GHG Capture

Eligibility Assessment
Protocol Development
Monitoring
Reporting
Verification
Registration

Created by ECC

Carbon Credits

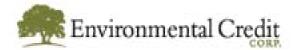
(certified, tradable, \$\$)

Money to partners



Carbon World

- Two Markets
 - Compliance
 - Kyoto Protocol
 - Specific emission reduction targets
 - EUAs, CDM, JI
 - Voluntary
 - United States
 - Many markets:
 - CCX, ERT, EDF, Gold Standard, Voluntary
 Carbon Standard etc
 - VERs



Major Carbon Market Sectors

- Biofuels and Fuel Switching
 - biodiesel
- Methane Capture
 - Agriculture
 - Landfill
- Methane Avoidance
 - Landfill Diversion
- Carbon Sequestration
- Commercial and Industrial



US Carbon Market Summary

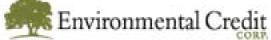
- ~23 million metric tons traded in 2007 (CCX)
- ~\$100 million (overall market)
- Future: \$1 trillion

CCX Carbon Financial Instrument (CFI) Contracts Daily Report



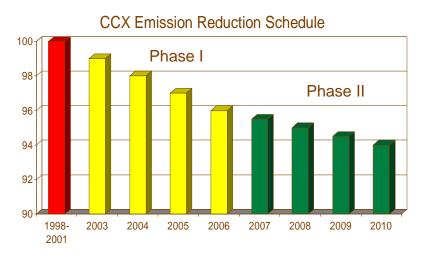
Which "standard"?...

| Chicago Climate Exchange | European Union Emissions Trading Scheme | Maine GHG Initiative |
|---|---|---|
| UN Framework Convention on Climate Change | Environmental Resources Trust GHG Registry | Wisconsin Voluntary Emission Reduction Registry |
| UN Clean Development Mechanism | Canadian Standards Association GHG Registries | The Climate Trust |
| Regional Greenhouse Gas Initiative | Canadian GHG Reductions Registry | WRI/WBSCD GHG Protocol Initiative |
| US DOE Voluntary Reporting Program 1605(b) | Canadian GHG Challenge Registry | European Climate Change Program |
| Multi-State Climate Registry | GHG CleanProjects Registry | Mexico GHG Program |
| US EPA Climate Leaders Program | CleanAir Canada | WWF Climate Savers Program |
| California Climate Action Registry | New South Wales GHG Abatement Scheme | World Economic Forum Global GHG Register |
| California Assembly Bill 32 | UK Emissions Trading Registry | Climate Neutral Network |
| US Mayors Climate Protection Agreement | Voluntary Carbon Standard | The Gold Standard |
| Eastern Climate Registry | New Hampshire GHG Registry | Green-e GHG Product Standard |



Introduction to CCX

Chicago Climate Exchange® is a voluntary, legally binding pilot greenhouse gas reduction and trading program for emission sources and offset projects in North America and Brazil.

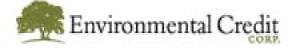


- Pilot Phase, 2003-2006: Reduce emissions to 4% below 1998-2001 baseline
- Phase II, 2007-2010: Additional reductions to 6% below baseline by 2010



Future of the US Market

- Rapidly growing
- Reasons behind new membership in voluntary market
 - Pre-compliance education
 - PR and Marketing
 - 'Banking credits'
 - Right thing to do
- Regulations are coming





- Carbon credits are created from emissions reductions and are utilized in a variety of industries
- Credits can be traded in either the compliance or voluntary market
 - US is voluntary
- Growth of the US carbon market is accelerating as opportunities and benefits of credits increase

